Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/31/2017 11:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123901	-1	1.40	123782	1.38
Blue	F	SSC	125000	123141	-2	3.10	123582	2.99
Blue	E	FITC	23795	22985	-4	2.55	1024	10.33
Blue	D	PE	29673	28954	-3	2.08	1040	9.98
Blue	B	PerCP-Cy5-5	48943	47438	-4	3.51	1362	16.84
Blue	A	PE-Cy7	44112	43347	-2	5.31	674	36.34
Red	C	APC	54273	53498	-2	2.81	3080	9.52
Red	A	APC-Cy7	54945	53439	-3	2.90	1125	11.19
Violet	B	V450	15756	14951	-6	3.95	714	8.81
Violet	A	V500	62569	60389	-4	3.71	2689	6.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19083	3.25	609	-5	N/A	N/A	Pass
Blue	F	SSC	61050	1.45	543	-3	N/A	N/A	Pass
Blue	E	FITC	115	39.20	546	-4	0.0205	171	Pass
Blue	D	PE	228	29.14	544	-2	0.1521	226	Pass
Blue	B	PerCP-Cy5-5	212	45.12	633	-6	0.0103	110	Pass
Blue	A	PE-Cy7	75	119.65	691	-8	0.0113	14	Pass
Red	C	APC	364	27.95	599	-1	0.0201	87	Pass
Red	A	APC-Cy7	123	41.96	576	-8	0.0057	2040	Pass
Violet	B	V450	88	39.16	472	0	0.0464	1542	Pass
Violet	A	V500	197	21.89	501	2	0.0141	198	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.82	-31.20	0.83
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.95	13.27 - 19.91	N/A	N/A	31.32	31.77	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9784

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments